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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael P. Caren *et al.* Group Art Unit: 1631

Serial No.: 09/302,898

Examiner Ardin H. Marschel

Filed: 04/30/99

Title: POLYNUCLEOTIDE ARRAY FABRICATION

Assistant Commissioner for Patents
Washington, D.C. 20231

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Dear Sir:

RESPONSE

Please cancel claim 19 which was the non-elected claim following the Examiner's restriction requirement. Please amend claim 37 as indicated below. For the convenience of the Examiner, all of the claims (including those indicated as allowable if rewritten in independent form, and allowed claim 18) are reproduced below, although only claim 37 is being amended and new claims 41-48 are added:

1. A method of fabricating an array of polynucleotides on a substrate, comprising:
 - (a) operating a polynucleotide deposition system to deposit an array of polynucleotide containing fluid droplets on the substrate to provide, when dry, a target pattern of polynucleotide containing spots;
 - (b) allowing a sufficient time to pass such that droplets deposited by the system will have dried to yield an actual pattern of dried spots; and
 - (c) observing the actual pattern; and

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